

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/581,468
Source: IFWP
Date Processed by STIC: 6/14/06

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IFWP

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/581,468

TIME: 10:10:16

Input Set : A:\US2004-037600.txt

Output Set: N:\CRF4\06142006\J581468.raw

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3 <110> APPLICANT: PDL BioPharma, Inc.
4     BALASA, Balaji
5     TSURUSHITA, Naoya
6     LANDOLFI, Nicholas F.
8 <120> TITLE OF INVENTION: TREATMENT OF INFLAMMATORY BOWEL DISEASES WITH ANTI-IP-10
9     ANTIBODIES
11 <130> FILE REFERENCE: 116 US PC01
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/581,468
C--> 14 <141> CURRENT FILING DATE: 2006-06-01
16 <150> PRIOR APPLICATION NUMBER: PCT/US2004/014507
17 <151> PRIOR FILING DATE: 2004-05-07
19 <150> PRIOR APPLICATION NUMBER: US 60/527,882
20 <151> PRIOR FILING DATE: 2003-12-04
22 <160> NUMBER OF SEQ ID NOS: 79
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 98
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
31 <400> SEQUENCE: 1
33 Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
34 1             5             10             15
37 Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
38             20             25             30
41 Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
42             35             40             45
45 Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
46             50             55             60
49 Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
50 65             70             75             80
53 Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Arg Ser Lys Arg
54             85             90             95
57 Ser Pro
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 98
63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 2
68 Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
69 1             5             10             15
72 Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
73             20             25             30
76 Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu

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77          35          40          45
80 Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
81          50          55          60
84 Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
85 65          70          75          80
88 Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Arg Ser Lys Arg
89          85          90          95
92 Ser Pro
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 119
98 <212> TYPE: PRT
99 <213> ORGANISM: Mus sp.
101 <400> SEQUENCE: 3
103 Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
104 1          5          10          15
107 Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
108          20          25          30
111 Ser Met His Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
112          35          40          45
115 Gly Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala Asp Asp Phe
116 50          55          60
119 Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser Thr Ala Tyr
120 65          70          75          80
123 Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Thr Ala Thr Tyr Phe Cys
124          85          90          95
127 Ala Arg Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val Trp Gly Ala Gly
128          100          105          110
131 Thr Thr Val Thr Val Ser Ser
132          115
135 <210> SEQ ID NO: 4
136 <211> LENGTH: 107
137 <212> TYPE: PRT
138 <213> ORGANISM: Mus sp.
140 <400> SEQUENCE: 4
142 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
143 1          5          10          15
146 Gly Lys Val Thr Ile Thr Cys Lys Ala Asp Gln Asp Ile Asn Lys Tyr
147          20          25          30
150 Ile Ala Trp Tyr Gln His Lys Pro Gly Arg Gly Pro Arg Leu Leu Leu
151          35          40          45
154 His His Thr Ser Thr Leu Gln Pro Gly Ile Pro Ser Arg Phe Ser Gly
155 50          55          60
158 Ser Gly Ser Gly Arg Asp Tyr Ser Phe Ser Ile Ser Asn Leu Glu Pro
159 65          70          75          80
162 Ala Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Ser Leu Leu Phe
163          85          90          95
166 Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
167          100          105
170 <210> SEQ ID NO: 5

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171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Mus sp.
175 <400> SEQUENCE: 5
177 Asp Tyr Ser Met His
178 1 5
181 <210> SEQ ID NO: 6
182 <211> LENGTH: 17
183 <212> TYPE: PRT
184 <213> ORGANISM: Mus sp.
186 <400> SEQUENCE: 6
188 Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala Asp Asp Phe Lys
189 1 5 10 15
192 Gly
196 <210> SEQ ID NO: 7
197 <211> LENGTH: 10
198 <212> TYPE: PRT
199 <213> ORGANISM: Mus sp.
201 <400> SEQUENCE: 7
203 Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val
204 1 5 10
207 <210> SEQ ID NO: 8
208 <211> LENGTH: 11
209 <212> TYPE: PRT
210 <213> ORGANISM: Mus sp.
212 <400> SEQUENCE: 8
214 Lys Ala Asp Gln Asp Ile Asn Lys Tyr Ile Ala
215 1 5 10
218 <210> SEQ ID NO: 9
219 <211> LENGTH: 7
220 <212> TYPE: PRT
221 <213> ORGANISM: Mus sp.
223 <400> SEQUENCE: 9
225 His Thr Ser Thr Leu Gln Pro
226 1 5
229 <210> SEQ ID NO: 10
230 <211> LENGTH: 9
231 <212> TYPE: PRT
232 <213> ORGANISM: Mus sp.
234 <400> SEQUENCE: 10
236 Leu Gln Tyr Asp Ser Leu Leu Phe Thr
237 1 5
240 <210> SEQ ID NO: 11
241 <211> LENGTH: 414
242 <212> TYPE: DNA
243 <213> ORGANISM: Mus sp.
245 <400> SEQUENCE: 11
246 atggccttggg tgtggacctt gctattcctg atggcagctg cccaaagtat ccaagcacag 60
248 atccagttgg tgcagtctgg acctgagctg aagaagcctg gagagacagt caagatctcc 120

```

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250 tgcaaggctt ctggttatac cttcacagac tattcaatgc actgggtgaa gcaggctcca      180
252 ggaaagggtt taaagtggat gggctggata aacactgaga ttggtgagcc aacatatgca      240
254 gatgacttca agggacgggtt tgccttctct ttggaaacct ctgccagcac tgcctatttg      300
256 cagatcaaca acctcaaaaa tgaggacacg gctacatatt tctgtgctag aaactatgat      360
258 tacgacgcgt acttcgatgt ctggggcgca gggaccacgg tcaccgtctc ctca          414

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261 <210> SEQ ID NO: 12

262 <211> LENGTH: 381

263 <212> TYPE: DNA

264 <213> ORGANISM: Mus sp.

266 <400> SEQUENCE: 12

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267 atgagaccgt ctattcagtt cctggggctc ttgttgttct ggcttcattg tgctcagtg      60
269 gacatccaga tgacacagtc tccatcctca ctgtctgcat ctctgggagg caaagtcacc      120
271 atcacttgca aggcagacca agacattaac aagtatatag cttggtacca acacaagcct      180
273 ggaagaggct ctaggctgct cctacatcac acatctacat tacagccagg catcccatca      240
275 aggttcagtg gaagtgggtc tgggagagat tattccttca gcatcagcaa cctggagcct      300
277 gcagatattg caacttatta ttgtctacag tatgatagtc ttctattcac gttcggctcg      360
279 gggacaaaagt tggaaataaa a          381

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282 <210> SEQ ID NO: 13

283 <211> LENGTH: 119

284 <212> TYPE: PRT

285 <213> ORGANISM: Homo sapiens

287 <400> SEQUENCE: 13

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289 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
290 1          5          10          15
293 Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Asp Tyr
294          20          25          30
297 Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
298          35          40          45
301 Gly Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala Asp Asp Phe
302          50          55          60
305 Lys Gly Arg Phe Thr Phe Thr Leu Asp Thr Ser Thr Ser Thr Ala Tyr
306 65          70          75          80
309 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
310          85          90          95
313 Ala Arg Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val Trp Gly Gln Gly
314          100         105         110
317 Thr Thr Val Thr Val Ser Ser
318          115

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321 <210> SEQ ID NO: 14

322 <211> LENGTH: 87

323 <212> TYPE: PRT

324 <213> ORGANISM: Homo sapiens

326 <400> SEQUENCE: 14

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328 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
329 1          5          10          15
332 Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Trp Val
333          20          25          30
336 Gln Gln Ala Pro Gly Lys Gly Leu Glu Trp Met Gly Arg Val Thr Ile
337          35          40          45

```

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340 Thr Ala Asp Thr Ser Thr Asp Thr Ala Tyr Met Glu Leu Ser Ser Leu
341      50                      55                      60
344 Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Thr Trp Gly Gln Gly
345 65                      70                      75                      80
348 Thr Thr Val Thr Val Ser Ser
349                      85

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352 <210> SEQ ID NO: 15

353 <211> LENGTH: 107

354 <212> TYPE: PRT

355 <213> ORGANISM: Homo sapiens

357 <400> SEQUENCE: 15

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359 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
360 1                      5                      10                      15
363 Asp Arg Val Thr Ile Thr Cys Lys Ala Asp Gln Asp Ile Asn Lys Tyr
364      20                      25                      30
367 Ile Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Leu
368      35                      40                      45
371 His His Thr Ser Thr Leu Gln Pro Gly Ile Pro Ser Arg Phe Ser Gly
372      50                      55                      60
375 Ser Gly Ser Gly Arg Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro
376 65                      70                      75                      80
379 Glu Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Ser Leu Leu Phe
380      85                      90                      95
383 Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
384      100                      105

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387 <210> SEQ ID NO: 16

388 <211> LENGTH: 80

389 <212> TYPE: PRT

390 <213> ORGANISM: Homo sapiens

392 <400> SEQUENCE: 16

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394 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
395 1                      5                      10                      15
398 Asp Arg Val Thr Ile Thr Cys Trp Tyr Gln Gln Lys Pro Gly Lys Ala
399      20                      25                      30
402 Pro Lys Leu Leu Ile Tyr Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
403      35                      40                      45
406 Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp
407      50                      55                      60
410 Ile Ala Thr Tyr Tyr Cys Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
411 65                      70                      75                      80

```

414 <210> SEQ ID NO: 17

415 <211> LENGTH: 412

416 <212> TYPE: DNA

417 <213> ORGANISM: Homo sapiens

419 <400> SEQUENCE: 17

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420 acgcgtccac catgagaccg tctattcagt tcctggggct cttgttggtc tggcttcagt      60
422 gtgctcagtg tgacatccag atgacacagt ctccatcctc actgtctgca tctgtgggag      120
424 acagagtcac catcacttgc aaggcagacc aagacattaa caagtatata gcttggtacc      180
426 aacagaagcc tggaaaggct cctaagctgc tcctacatca cacatctaca ttacagccag      240

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/14/2006
PATENT APPLICATION: US/10/581,468 TIME: 10:10:18

Input Set : A:\US2004-037600.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,51,52,53,54
Seq#:55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/581,468

DATE: 06/14/2006

TIME: 10:10:18

Input Set : A:\US2004-037600.txt

Output Set: N:\CRF4\06142006\J581468.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date